



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L70-835-DIM-OW-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20343.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 24-APR-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT

[MORE] WHITE MIXING CHAMBER & 6"ALUM SEMI-SPEC TRIM w/FROST FILM

[LUMCAT] 6DS-L70-835-DIM-OW-OF-CS

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6557
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	78.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32141	49860	31317
55	4572	8128	4572
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7552.742	7552.742	7552.742	7552.742	7552.742
5	7498.552	7488.392	7451.136	7427.428	7420.654
10	7098.900	7125.995	7109.061	7058.258	7048.097
15	6438.459	6462.167	6452.006	6414.751	6391.042
20	5608.673	5601.899	5632.381	5595.126	5574.804
25	4494.390	4623.091	4663.734	4562.127	4426.652
30	3112.543	3244.631	3529.129	3261.565	3139.638
35	1849.236	2140.508	2536.773	2055.836	1805.207
40	1063.480	1168.474	1585.060	1121.057	1046.546
45	528.353	626.573	819.625	636.733	514.806
50	213.373	260.790	338.688	254.016	209.987
55	60.964	84.672	108.380	88.059	60.964
60	6.774	10.161	23.708	10.161	3.387
65	0.000	0.000	0.000	0.000	0.000
70	0.000	3.387	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2494.69	N.A.	38.00
0-30	4558.33	N.A.	69.50
0-40	5920.67	N.A.	90.30
0-60	6553.9	N.A.	99.90
0-80	6557.32	N.A.	100.00
0-90	6557.32	N.A.	100.00
10-90	5857.45	N.A.	89.30
20-40	3425.98	N.A.	52.20
20-50	3960.11	N.A.	60.40
40-70	636.43	N.A.	9.70
60-80	3.42	N.A.	0.10
70-80	0.22	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6557.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	699.87
10-20	1794.81
20-30	2063.64
30-40	1362.34
40-50	534.13
50-60	99.10
60-70	3.20
70-80	0.22
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

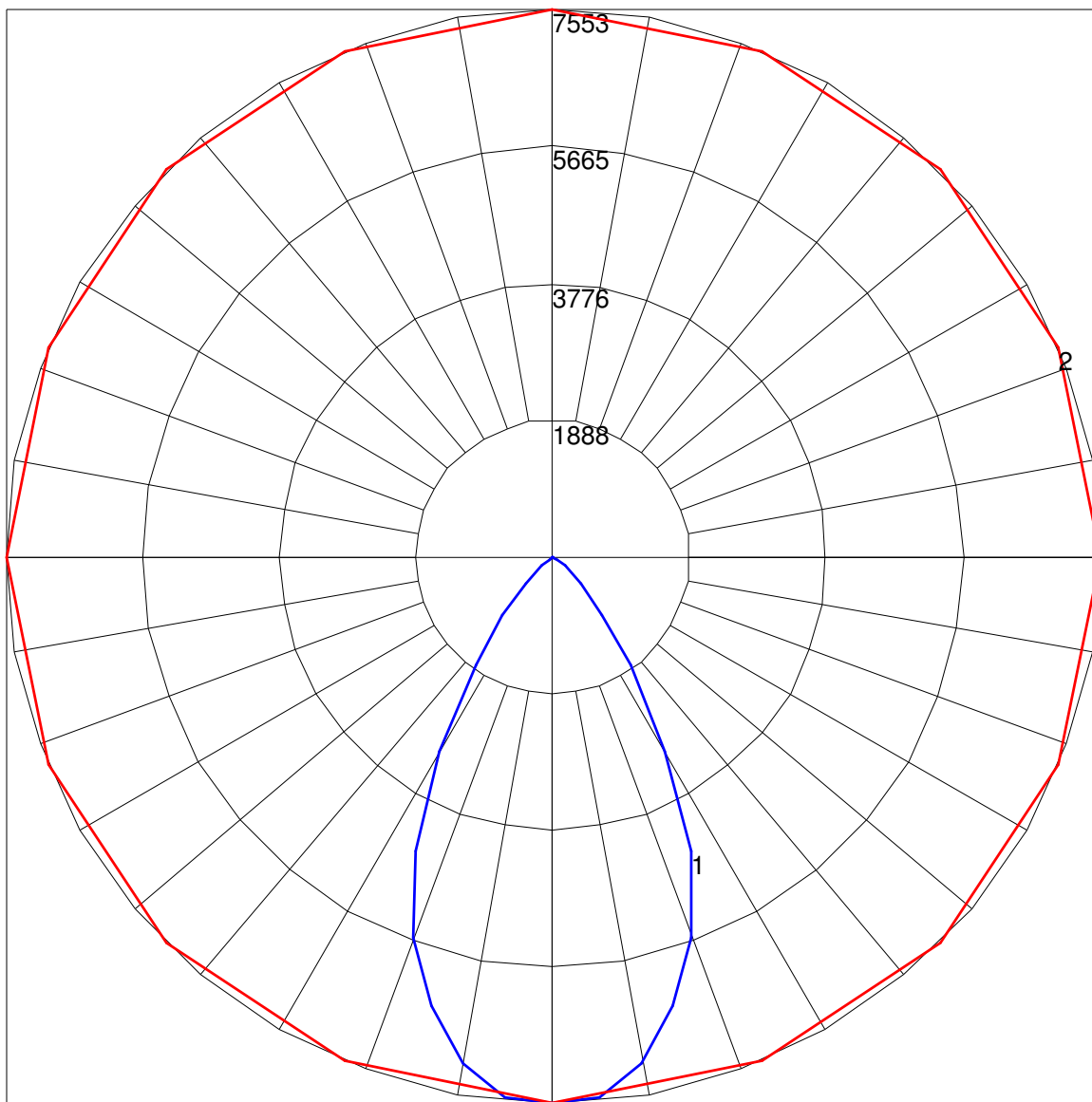
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	403	403	403	403	394	394	394	394	376	376	376	360	360	360	346	346	346	339
1	384	375	367	359	376	368	360	353	354	348	342	341	337	332	330	326	323	317
2	365	349	335	324	358	343	330	320	332	322	313	322	313	306	313	306	300	294
3	347	325	308	294	340	320	305	292	311	298	287	303	292	283	295	286	278	273
4	329	303	284	270	323	299	282	268	292	277	265	285	272	262	279	268	259	254
5	312	283	264	249	306	280	262	248	274	258	246	269	254	243	263	251	241	236
6	296	266	245	231	291	263	244	230	258	241	228	253	238	227	249	235	225	220
7	281	250	229	215	277	247	228	214	243	226	213	239	223	212	235	221	211	206
8	267	235	214	200	263	233	213	200	229	212	199	226	210	198	222	208	197	193
9	254	222	201	188	251	220	201	187	217	199	187	214	198	186	211	196	185	181
10	242	209	190	176	239	208	189	176	205	188	176	203	187	175	200	185	175	170

POLAR GRAPH



Maximum Candela = 7552.742 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)